



# NOvA Experiment Status

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All Experimenter's Meeting January 27, 2014

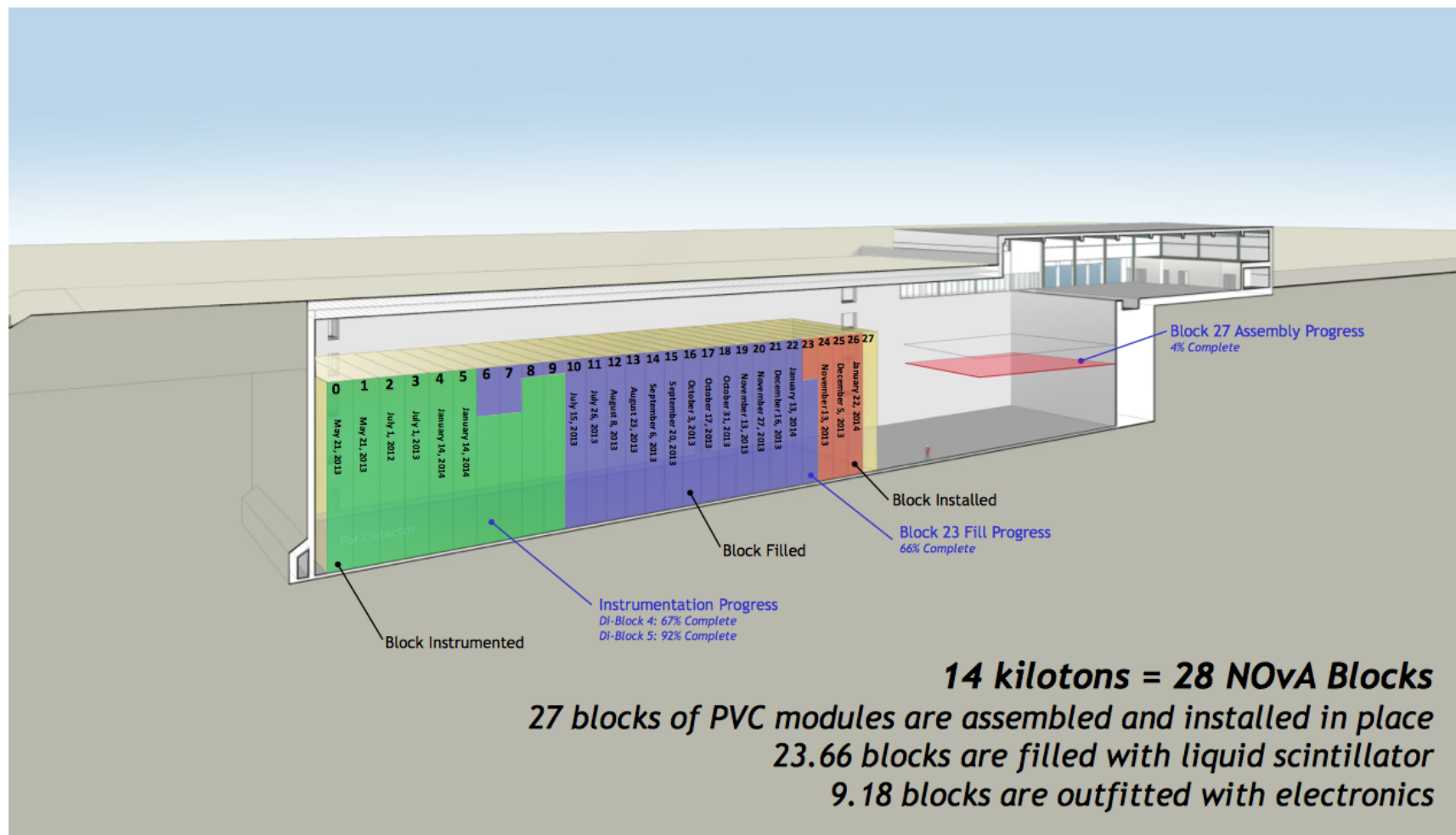
# Detector Assembly Progress



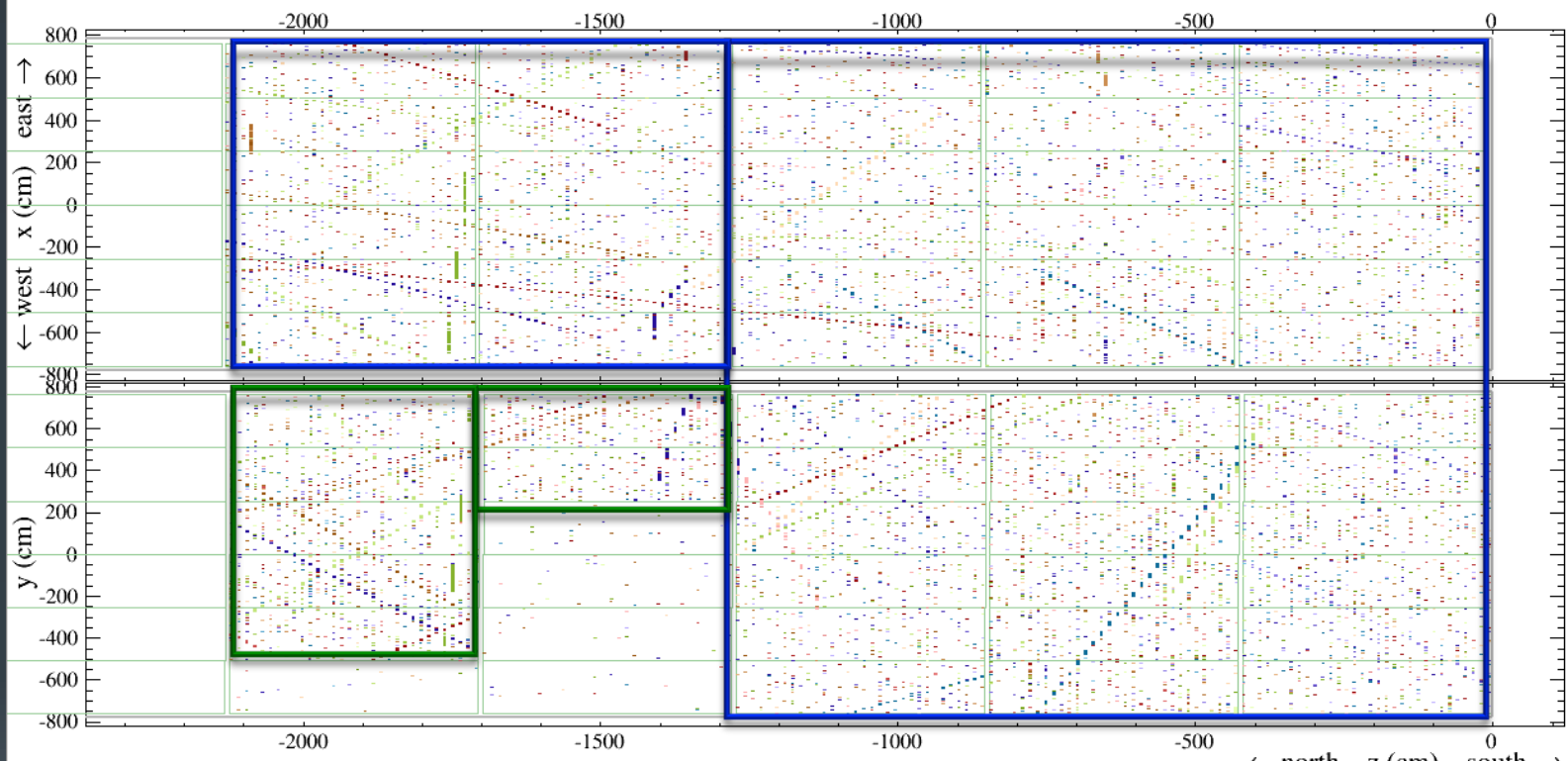
The Intensity Frontier

## NOvA Far Detector Assembly Progress

Status Date: 27JAN14



# Far Detector Data-Taking



## Cold APDs, full gain HVs

- Diblocks 1,2 – APDs w A174 original installations (some replacements)
- Diblocks 3,4t – APDs w/o A174
- Diblock 5t – APDs w A174 baked

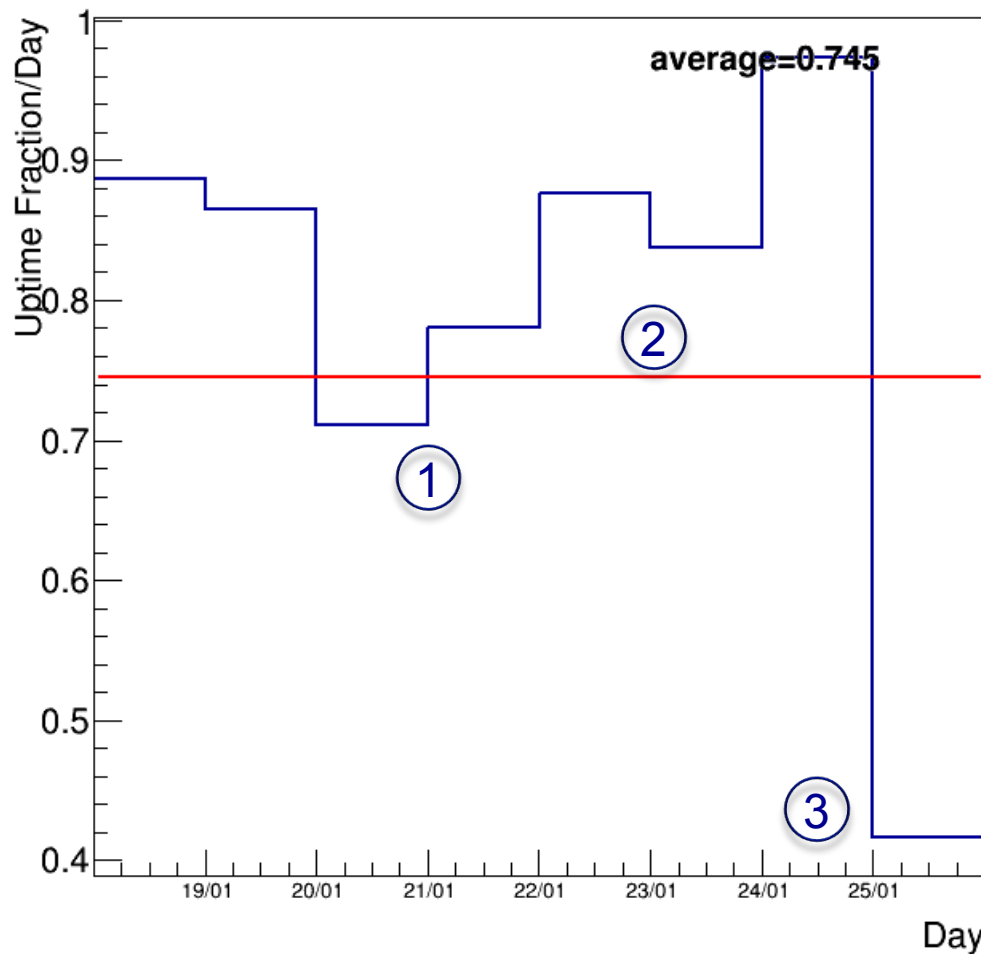
## Warm APDs, full gain HVs

- DCMs-2-05-{07,11} – APDs w A174 baked
- DCMs-2-04-{07,08} – APDs w/o A174

# DAQ Uptime – Past Week



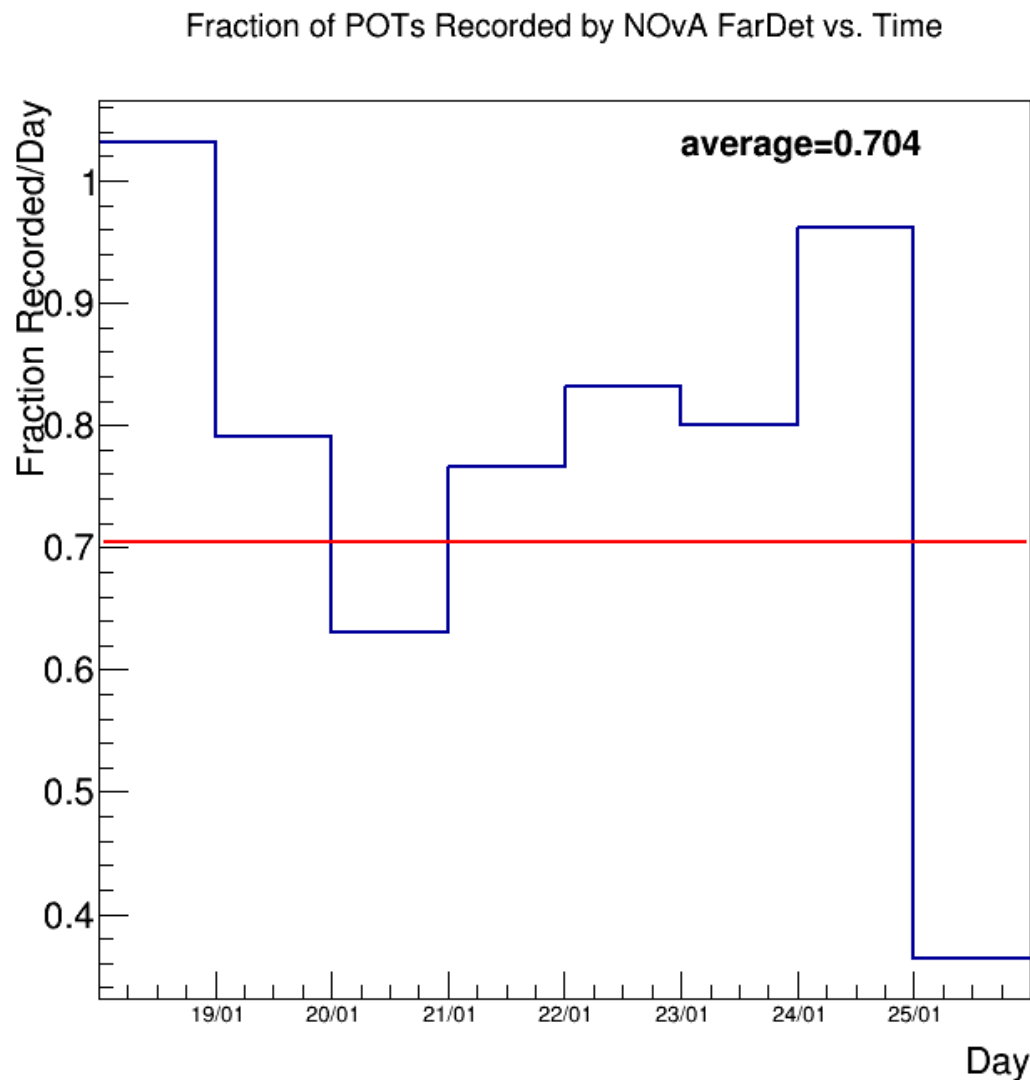
NOvA FarDet DAQ Uptime vs Time



- ① Timing checks using FarDet (all day procedure)
- ② Normal Ash River work interruptions of DAQ
- ③ Water leak at Ash River early AM – ~7 hours to recover detector, but disk full substitution error in procedure keeps run from starting for additional 5 hours

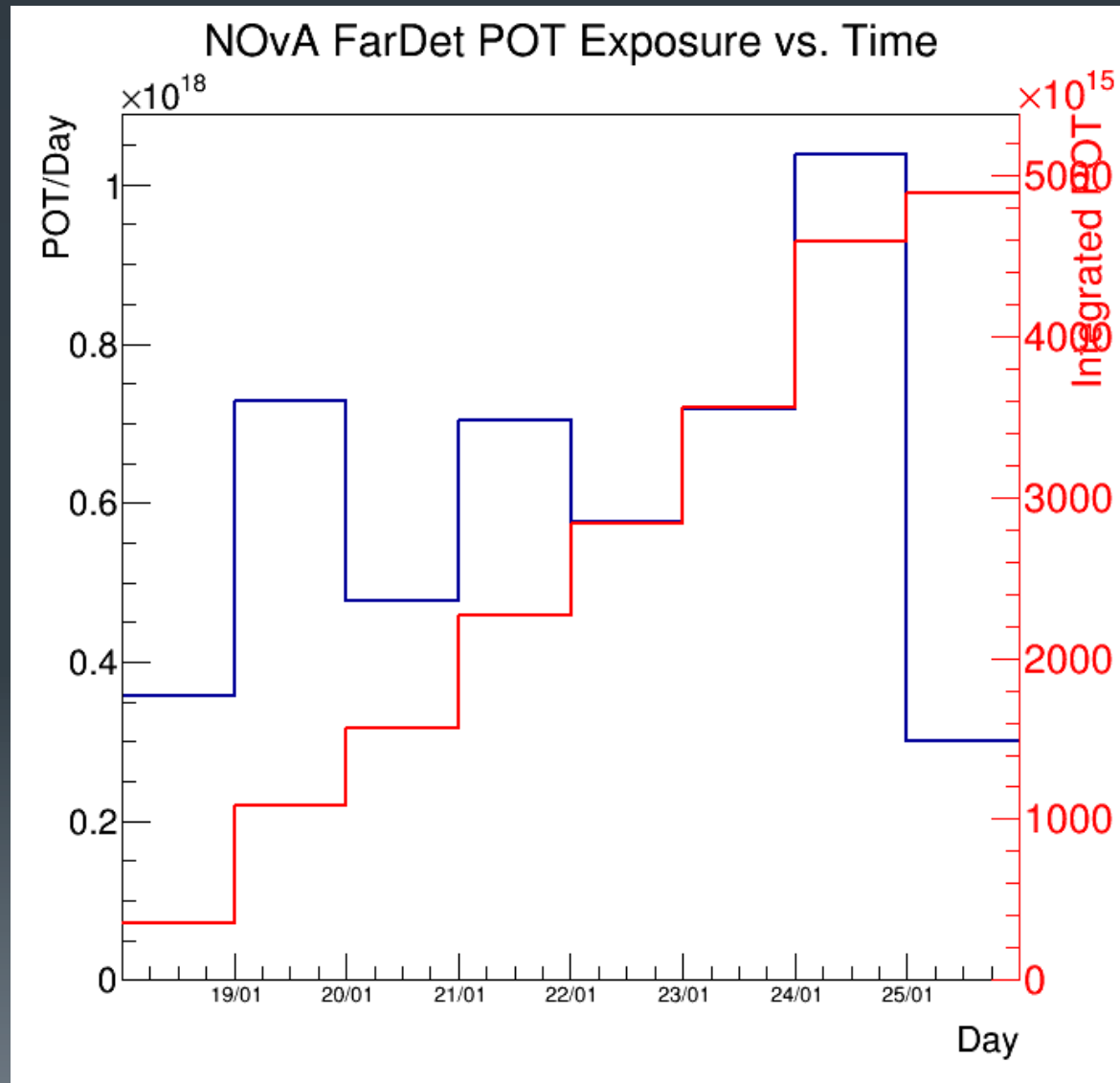
Average ~75% for the week

# Fraction of POTs Recorded



See previous slide for explanation of low periods

# POT Exposure (Daily/Integrated)



- Daily (blue), Integrated (red)
- $<1E18$  per day average
- Total of  $\sim 5E18$  POT for the week

# Summary

- Cooled APDs looking good – especially those without A174 primer coating
- Working on solving problems that will increase our Uptime efficiency :
  - DSO (pedestal runs) scan times
  - Shift efficiency during APD installation (better/standard procedures)